

Hi there,

Congratulations with your new Rond-Magura fork! What you have bought is an excellent piece of craftsmanship from the Rond-Magura suspension people. To get the max out of it we have written a few lines to tell you the “how to” stuff. You’ll find some background information regarding the possible adjustments of your new fork as well as some information from the factory and the names and addresses of useful contact persons. Of course you can check our website [www.magura.com](http://www.magura.com) for product information and news as well. Enjoy your next ride!

The Rond-Magura Suspension People

Depending on the model you purchased you have several adjustment options to optimize your suspension fork. Let's explain what it all means:

## **Preload**

Preload means the initial force of the fork spring. Most riders would like to set just as much preload to make the fork sag about 8mm when you sit relaxed on your bike. If you have an air sprung fork, then you would add as much pressure as needed to prevent the fork from bottoming out. Or more if you like a firm ride of course.

## **Rebound**

The rebound setting controls the speed of the rebound stroke of the fork. A too slow rebound stroke makes you lose contact with the ground, which results in no traction and no direct control of your bike. On the other hand, when rebound is too fast, the fork will start bouncing, which makes you lose control as well.



## Compression

Compression damping controls the compression stroke of the fork. More compression damping means more force is required to compress the fork with a given speed. Indeed, less compression damping means less force is required to compress the fork with a given speed.

## Lockout

A lockout enables you to lock the movement of the fork when you're bugged by a bobbing fork. This happens mostly when you have a longer travel fork that is very softly damped and you're pounding up a hill or sprinting your guts out. Therefore we only offer the lockout as an optional feature on forks that may need one.

## Assembly

If you're not really sure you're skilled enough to mount the fork on your bike, we strongly recommend having it done by your dealer. He's got all the tools and experience to do the job properly.

## Setup

When the fork has been installed correctly, you can start fine-tuning the settings. You can use the following guidelines to realize a perfect set up!

- Your fork should sag 8mm when you sit relaxed on your bike. When sag is less, remove preload, when sag is more, add preload.
- When the fork is good on occasional bumps but gets hard after several sequential bumps, you have probably set too much rebound damping so the fork can't return fast enough and there isn't enough travel left to absorb the bumps. If the fork is bouncy on single impacts, then you should add more rebound damping.
- If the fork dives too much, you can add compression damping on some models. On air forks, you should add air pressure. If you don't have compression adjustability on your fork, you should add some preload or use heavier springs. On the other hand, if you don't use all the travel, remove some compression damping, use less air pressure or remove some preload or use softer springs.



## Quake

The Quake series contains three different models: the C, the CP and the Air. These models are targeted to the bikers who want maximum suspension performance in every discipline except maybe for downhill. Oh yeah, we've got a BIG EGO for that!

Whereas the C and CP offer a super plush ride with lots of well-damped travel, the Air will be the XC racer's choice. Being light, smooth yet still firmly damped, it offers exactly what today's racers want.

## O<sub>2</sub>4u

The O<sub>2</sub>4u series offers a lightweight air-fork with lots of travel and a smooth damping system. Lots of bikers asked for the comfort of a long travel fork without the extra weight penalty. We're proud to present to you our long travel air forks, bringing you to the top of that mountain with less efforts, bringing you down as fast as you want it, giving you traction and comfort in every condition. All O<sub>2</sub>4u's feature adjustable rebound damping.

## 2-Stroke

The 2-Stroke series are designed for the weekend warriors: bikers who want a proven, reliable and high performance system. So we enhanced our Olympic Gold damping technology and designed the 2-Stroke around it, creating an affordable and excellent performing coil sprung fork. The 2-Stroke C features an additional rebound damping control.

## BIG EGO

Supremacy...Lay off those brakes and just let go...Consider this fork your last buy in your quest for ultimate speed. Tested by numerous downhill pros, this fork is already becoming a collectors item. Using upside down technology, coil springs, double piston with one-way valve open cartridge damping and open bath lubrication system, we've created a superior damped suspension system that has repeatedly proven it's quality in every ride. It eats rocks and puts your trail where you would like it to be. The buttery smooth rock hard steel lower legs combined with the open bath system eliminate any friction. We used oversized aluminum upper legs mounted in an aluminum dual crown, combined it with a 20mm thru-axle to make it stiff, so you can point and shoot. Do we have to mention that we're talking about the ultimate downhill fork?

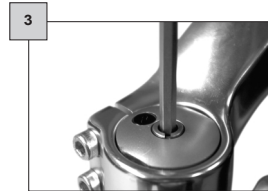


# adjusting your fork - quake air

To adjust the air pressure, first remove the cap of the air valve with a small screwdriver.

To increase air pressure, place the Rond-Magura pump in the valve. Make sure you keep the pump in line with the fork leg and pump until the pressure is 0.2 bar above the intended pressure.

You can adjust the rebound damping with a 4mm allen key. Turn the rebound adjust bolt clockwise to increase the rebound damping, making the fork return slower. Turn the bolt counter-clockwise to decrease rebound damping, making the fork return faster.



# adjusting your fork - quake c / cp

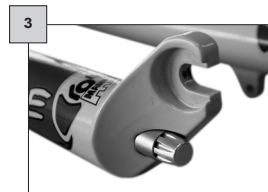
The preload of the Quake C and the Quake CP is adjustable by a dial (1) on top of both of the fork legs. On the right leg (2) another dial is placed on top of the preload dial. This dial is to adjust rebound damping. Turn the preload dials clockwise to add preload. Turn them coun-



terclockwise to remove preload. To increase rebound damping, turn the rebound-dial clockwise. To decrease rebound damping, turn the dial counterclockwise.



The Quake CP has external adjustable compression damping as well (3). To increase compression damping, turn the dial clockwise. To decrease compression damping, turn the dial counterclockwise.



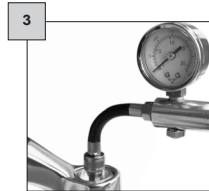
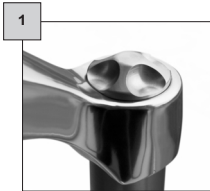
## adjusting your fork - o<sub>2</sub>4u

The preload of the O<sub>2</sub>4u can be adjusted by changing air pressure. To do that, first remove the top cap of the fork leg by turning the cap counterclockwise.

Place the pump in the valve. Make sure you keep the pump in line with the fork leg. Pump until you have reached 0.2 bars above the intended pressure.

We offer a special air pump to use with our air forks, but if you prefer your own standard shock pump, then that's possible as well.

To add rebound damping, turn the dial at the bottom of the right leg clockwise. To remove rebound damping, turn the dial counterclockwise.



# adjusting your fork - 2-stroke

You can add preload to your 2-Stroke by turning the dials on top of the fork legs. Turn the dials clockwise to add preload, turn them counterclockwise to remove preload.

If you are the owner of a 2-Stroke C fork, then you have the added value of adjustable rebound damping. You can use the dial at the underside of the right leg to adjust rebound damping. Turn the dial clockwise to add damping, turn the dial counterclockwise to remove damping.



Rond-Magura forks require very little maintenance. What you should do is clean the fork regularly. Of course, don't use your new super ultra high pressure cleaner with lots of degreasing chemicals, but a little water and a brush or a cloth. Some things to check every now and then:

- If you use fork boots, check for any dirt under them. If there is any, clean it!
- Check the damping of the fork by compressing the fork several times. Pay attention to anything that might seem strange.
- Check the crown and the magnesium lowers for cracks or other damage.
- Check the function of your brakes.
- Contact your dealer if there are any problems.

For racers, we recommend to check the internals over a time span of about 15 races. Especially the Quake Air needs to be checked regularly because of the closed cartridge. Open bath type forks used by recreational riders lubricate themselves automatically and can be used for two years before bringing it back to your dealer for a tune-up.

## Warranty

Included in this manual is a warranty card. Fill it in and send it back to Rond-Magura. Don't forget to fill in your serial number! We guarantee you we will not forward any information written on the card to any third party.

We will only warranty your fork if we have received your warranty card. Warranty is void when:

- Damage was caused by not servicing the fork for a very long time
- The fork wasn't used according to the manual
- The fork has been modified
- The fork was damaged by unqualified repairs
- Parts were used that were not made by Rond-Magura
- Damage is caused by regular wear

## Torques

Bolts of the fork crown:	6 Nm
Bolts of the adjustment dials:	0.6 Nm
Bolts at the bottom of the fork legs:	10 Nm

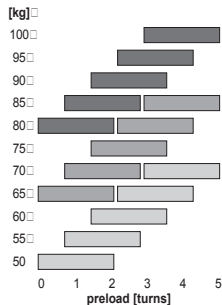


## spring preload

### spring type



quake c  
quake cp  
2-stroke

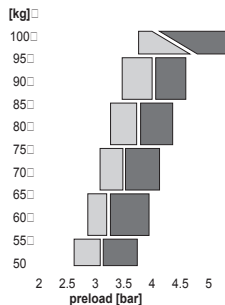


## air pressure

### rider style



quake air  
O<sub>2</sub>4u



## rebound damping

[kg]

100

90

80

70

60

50

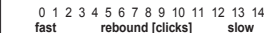
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
fast rebound [clicks] slow

quake c

quake cp

2-stroke c

O<sub>2</sub>4u



## compression damping

[kg]

100

90

80

70

60

50

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14  
fast compression [clicks] slow

quake cp



model	travel	xc-race	xc-tour	freeride	downhill
2-stroke □	80	□ □ □ □ □ □ □ □	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
2-stroke lock-out □	80	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
2-stroke □	100	□ □ □ □ □ □ □ □	■ ■ ■ ■ ■ ■ ■ ■	■ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
2-stroke lock-out □	100	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	■ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
o <sub>2</sub> 4u □	80	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
o <sub>2</sub> 4u lock-out □	80	□ □ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
o <sub>2</sub> 4u □	100	□ □ □ □ □ □ □ □	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ □	□ □ □ □ □ □ □ □
o <sub>2</sub> 4u lock-out □	100	□ □ □ □ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ □	□ □ □ □ □ □ □ □
quake air □	70	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
quake c □	85	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □
quake c □	110	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □
quake cp □	110	□ □ □ □ □ □ ■ □	■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■	□ □ □ □ □ □ □ □
big ego □	180	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □	■ ■ ■ ■ ■ ■ ■ ■